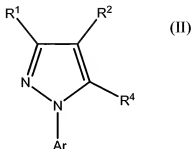


**AMENDMENTS TO THE CLAIMS**

Please amend the claims without prejudice, without admission, without surrender of subject matter, and without any intention of creating any estoppel as to equivalents, as follows.

1-25. **(Cancelled)**

26. **(Currently amended)** A premix which comprises an effective amount of at least one compound of the formula



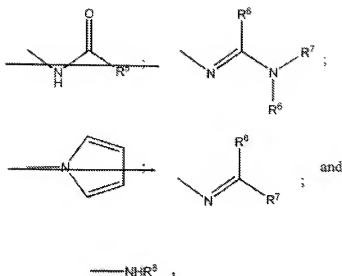
wherein:

R<sup>1</sup> represents H<sub>2</sub>N-C(=S)-;

R<sup>2</sup> represents S(O)<sub>n</sub>R<sup>3</sup>, 4,5-dicyanoimidazol-2-yl;

R<sup>3</sup> represents haloalkyl, haloalkenyl or haloalkynyl;

R<sup>4</sup> represents ~~hydrogen, halogen, alkyl, haloalkyl, amino or a compound moiety~~ selected from the group consisting of



wherein

$R^5$  represents alkyl, halogenoalkyl, alkoxyalkyl or in each case unsubstituted or substituted phenyl or pyridyl;

$R^6$  represents hydrogen or alkyl,

$R^7$  represents hydrogen, or alkyl or in each case unsubstituted or substituted phenyl or pyridyl,

$R^8$  represents alkyl, alkenyl, alkynyl, formyl, alkylcarbonyl, halogenoalkylcarbonyl, or alkoxy carbonyl, or a radical  $NR^9R^{10}$ ,  $S(O)_mR^{11}$ ,  $C(O)R^{11}$ ,  $C(O)OR^{11}$ ,  $OR^{12}$ , or  $N=C(R^{13})(R^{14})$

wherein

$R^9$  and  $R^{10}$  independently represent a hydrogen atom or an alkyl, haloalkyl,  $C(O)$ alkyl, alkoxy carbonyl or a  $S(O)$ ,  $CF_3$ , radical; or  $R^9$  and  $R^{10}$  may together form a divalent alkenyl radical which may be interrupted by one or two heteroatoms;

$R^{11}$  represent an alkyl or haloalkyl radical;

$R^{12}$  represents an alkyl or haloalkyl radical or a hydrogen atom;

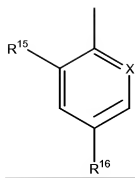
$R^{13}$  represents an alkyl radical or a hydrogen atom;

$R^{14}$  represents a phenyl or a heteroaryl group optionally substituted with one or more halogen atoms or  $OH$ ,  $O$ -alkyl,  $S$ -alkyl, cyano or alkyl;

$m$ ,  $n$  or  $r$  represents independently of each other an integer equal to 0, 1, or 2;

$Ar$  represents unsubstituted or substituted phenyl or pyridyl, and  $n$  represents a number 0, 1 or 2;

$Ar$  is



where

R<sup>15</sup> and R<sup>17</sup> represent, independently of each other, a hydrogen or halogen.

R<sup>16</sup> represents a halogen, haloalkyl or haloalkoxy.

m, n, q, and r represent, independently of each other, an integer equal to 0, 1 or 2.

X represents a C-R<sup>17</sup>, the other three valency positions of the carbon atom forming part of the aromatic ring.

a pharmaceutically acceptable excipient comprising:

- i) a pharmaceutically acceptable surfactant;
- ii) a pharmaceutically acceptable wax;
- iii) a pharmaceutically acceptable antioxidant;
- iv) a pharmaceutically acceptable carrier vehicle wherein said vehicle is selected

from the group consisting of fine corn cobs, corn meal, citrus meal, fermented residues, ground oyster shells, wheat shorts, molasses solubles, bean mill feed, soy grits, crushed limestone and dried grains; and

- v) a pharmaceutically acceptable pH modifier.

27. **(Original)** The premix according to claim 26 which further comprises a second parasiticide.

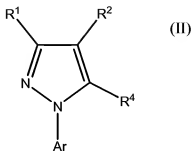
28. **(Original)** The premix according to claim 27 wherein the second parasiticide is selected from the group consisting of avermectins, milbemycins, IGR compounds, nodulisporic acid and nodulisporic acid derivatives.

29. **(Original)** A process for the control or elimination of external parasites from an animal

which comprises adding the premix according to claim 26 to animal feed.

30-32. (Cancelled)

33. (Currently amended) A premix which comprises an effective amount of at least one compound of the formula



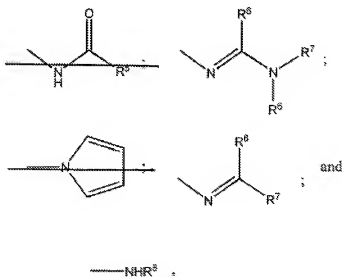
wherein:

$R^1$  represents  $H_2N-C(=S)-$ ;

$R^2$  represents  $S(O)_nR^3$ , 4,5-dicyanoimidazol-2-yl;

$R^3$  represents haloalkyl, haloalkenyl or haloalkynyl;

$R^4$  represents hydrogen, halogen, alkyl, haloalkyl, amino or a compound moiety selected from the group consisting of



wherein

$R^5$  represents alkyl, halogenoalkyl, alkoxyalkyl or in each case unsubstituted or substituted phenyl or pyridyl,

$R^6$  represents hydrogen or alkyl,

$R^7$  represents hydrogen, or alkyl or in each case unsubstituted or substituted phenyl or pyridyl,

$R^8$  represents alkyl, alkenyl, alkynyl, formyl, alkylcarbonyl, halogenoalkylcarbonyl, or alkoxy carbonyl, or a radical  $NR^9R^{10}$ ,  $S(O)_mR^{11}$ ,  $C(O)R^{11}$ ,  $C(O)O-R^{11}$ ,  $OR^{12}$ , or  $N=C(R^{13})(R^{14})$

wherein

$R^9$  and  $R^{10}$  independently represent a hydrogen atom or an alkyl, haloalkyl,  $C(O)$ alkyl, alkoxy carbonyl or a  $S(O)$ ,  $CF_3$ , radical; or  $R^9$  and  $R^{10}$  may together form a divalent alkenyl radical which may be interrupted by one or two heteroatoms;

$R^{11}$  represent an alkyl or haloalkyl radical;

$R^{12}$  represents an alkyl or haloalkyl radical or a hydrogen atom;

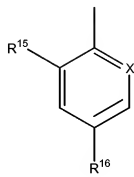
$R^{13}$  represents an alkyl radical or a hydrogen atom;

$R^{14}$  represents a phenyl or a heteroaryl group optionally substituted with one or more halogen atoms or OH, O alkyl, S alkyl, cyano or alkyl;

m, n, q, r represents independently of each other an integer equal to 0, 1, or 2;

Ar represents unsubstituted or substituted phenyl or pyridyl, and n represents a number 0, 1 or 2,

Ar is



where

$R^{15}$  and  $R^{17}$  represent, independently of each other, a hydrogen or halogen,

$R^{16}$  represents a halogen, haloalkyl or haloalkoxy,

m, n, q, and r represent, independently of each other, an integer equal to 0, 1 or 2,

X represents a C-R<sup>17</sup>, the other three valency positions of the carbon atom forming part of the aromatic ring.

a pharmaceutically acceptable excipient comprising:

- i) a pharmaceutically acceptable wax;
  - ii) a pharmaceutically acceptable antioxidant;
  - iii) a pharmaceutically acceptable carrier vehicle wherein said vehicle is selected from the group consisting of fine corn cobs, corn meal, citrus meal, fermented residues, ground oyster shells, wheat shorts, molasses solubles, bean mill feed, soy grits, crushed limestone and dried grains;
- an organic solvent; and
- v) a pharmaceutically acceptable pH modifier.

34. **(Cancelled)**

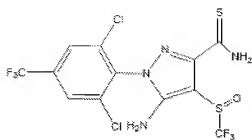
35. **(Previously presented)** A spot-on-formulation which comprises the premix of claim 26 and an organic solvent.

36. **(Cancelled)**

37. **(New)** The premix of claims 26-28, wherein the at least one compound is a thioamide derivative of fipronil.

38. **(New)** The spot-on formulation of claim 35, wherein the at least one compound is a thioamide derivative of fipronil.

39. **(New)** The premix of claim 38, wherein the thioamide derivative of fipronil has the formula:



40. (New) The spot-on formulation of claim 38, wherein the thioamide derivative of fipronil has the formula:

